Table of Contents

Service Pack Release Letter

1. Introduction

1.1 Disclaimer of Warranty

Bosch Security Systems, Inc. makes no representations or warranties, either expressed or implied, by or with respect to anything in this document, and shall not be liable for any implied warranties of merchantability or fitness for a particular purpose or for any indirect, special or consequential damages.

1.2 Purpose

The purpose of the *Service Pack Release Letter* document is to communicate major new features and changes in this release of the VG4 AutoDome product. It also documents component compatibility, workarounds, and any feature restrictions.

1.3 Scope

This document describes the VG4 AutoDome Service Pack Release which includes the following components:

Component	Version
SCMain.G4i	01.08.00.04
H8Image.bin (U3001 & U0102)	1.03.00.01-01.07.00.01
SCBootApp.G4i	01.04.00.02
stdUserFlash.bin (U3003)	01.09.01.05
VCAUserFlash.bin (U0105)	1.13.01.05
FPGA_SC.G4i	01.09.01.05
FPGA_VCA.G4i	1.13.01.05
VCA_image.bin (U0801)	01.02.00.01-01.05.00.02
VCA_App.G4i	01.07.00.02
VCA_boot.G4i	01.02.00.01
Vip_x_app1.fw	3.50B9
Russian_Lang_01.00.00.02.G4i	01.00.00.02

1.4 Definitions, Acronyms, and Abbreviations

CTFID	Configuration Tool for Imaging Devices

1.5 Overview

2. About This Service Pack Release

- This is a Production Release of the firmware components identified section 1.3.

3. Compatible Products

This product has been tested on the following platforms or with the following products:

- VG4 200 Series AutoDome
- VG4 300 Series AutoDome
- VG4 500 Series AutoDome

Compatible products with AutoDome include the following:

- CTFID for Gen4 version 3.04.00.01
- IP Web Server version 3.50 B9

Compatible tools and utilities for IP Web Server 3.50 B9 include the following:

- Configuration Manager 01.71.0011.0
- Archive Player 02.20.0008.0
- MPEG ActiveX 4.24.01.02
- .Net 2.0

Compatible AutoDome camera modules include (PAL and NTSC): 18X color, 18X day/night, 26X day/night, 36X day/night, Unity Dome (fixed camera) color and day/night.

4. Hardware Changes

None.

5. Software Changes

This section identifies enhancements and defect resolutions provided in the current Service Pack for VG4 Series 100, 200, 300 and 500i.

The new data migration feature permits a user to copy configuration settings (user settings, scene positions and attributes, privacy masks, recordings, virtual masks) from an existing camera to any camera with the same hardware configuration (same CPU and camera module).

The following **ENHANCEMENTs** have been resolved for this delivery.

Change Request	Description	Module
124	Implement Smart Template Search for Stabilization	VCA Main
103	Correct usage of pragma DATA_section for ISRAM variables.	VCA Main
4	Provide PIP with Stabilization	VCA Main

The following **DEFECTS** have been resolved for this delivery.

Change Request	Description	Module
1803	Fix Factory Test PIP Window for VCA Testing	VCA Main
1553	Unable to download Series 200 configuration table via web server	IP WebServer
1552	Custom tour corrupted	IP WebServer
1551	Configuration file for a 10 minute recording gets corrupted	IP WebServer
102	Optimize Timing on CIF Template Matching Software	VCA Main
2	Stabilization Data Incongruity	VCA Main

6. Feature Restrictions

6.1 Release SCMain 01.08.00.04

a. Data migration is supported where the CPU and Camera module are the same for the source and destination units. Otherwise, the software will deny the request.
b. Undocumented AUX commands may reside in the firmware. As they are undocumented, engineering may remove them in a subsequent release without prior knowledge.
c. Some translations are missing.
d. The folder structure of the SP1045.zip file is critical and must be maintained. Note that the Russian language file is in its own folder.

6.2 Release IP WebServer 3.50B9

a. Data migration is supported where the CPU and Camera module are the same for the source and destination units. Otherwise, the software will deny the request.

7. Notes for Uploading Firmware

7.1 CTFID (Configuration Tool for Imaging Devices)

a) Click the "Upload Firmware" button located on the main page. The Choose Service Pack Folder dialog box opens.

b) Check for Boot Code updates by selecting the BootCode folder within the Service Pack. CTFID compares current firmware with the contents of the BootCode folder. Then, it selects those items that require updates. It is highly recommended not to change CTFID's selections as system instability may occur.

c) If Boot Code update(s) are required, click the "Upload Firmware" button, and confirm the selection. CTFID proceeds with the upload(s). Otherwise, click Cancel. *Note: The main code (SCMain, FPGA, VCA_app) must be installed AFTER the boot code.*

d) When prompted, select the Service Pack folder to check for main code update(s). CTFID compares currently installed firmware with the contents of the Service Pack folder. Then, it selects those items that require updates. It is highly recommended not to change CTFID selections as system instability may occur.

e) If main code update(s) are required click the "Upload Firmware" button and confirm the selection. CTFID proceeds with the upload(s). Otherwise, click Cancel.

f) Updates are now complete.

7.2 IP Web Server

a) Navigate to the "Firmware and configuration upload" page (Settings->Service Settings->Firmware and configuration upload).

b) Check for Boot Code updates by clicking on the Firmware upload: "Search" button and by selecting a file located in the Boot Code folder within the Service Pack. Click the "Upload" button associated with Firmware upload and confirm the selection. The IP Web Server compares the currently installed boot code with the contents of the Boot Code folder. Then, it selects those items that require updates. It is highly recommended not to change the IP Web Server selections as system instability may occur.

c) If Boot Code update(s) are required, click the "Upload Firmware" button. IP Web Server proceeds with the upload(s). Otherwise, close the window. *Note: The main code (SCMain, FPGA, VCA_app) must be installed AFTER the boot code.*

d) When prompted, select the Service Pack folder to check for main code update(s). Click the "Upload" button associated with Firmware upload and confirm the selection. The IP Web Server compares the currently installed firmware with the contents of the Service Pack folder. Then, it selects those items that require updates. It is highly recommended not to change IP Web Server's selections as system instability may occur.

e) If main code update(s) are required click the "Upload Firmware" button. The IP Web Server proceeds with the upload(s). Otherwise, close the window.

f) Updates are now complete.

8. History

The following **ENHANCEMENTS** have been implemented in past Service Pack releases.

Change Request	Description	Service Pack
1180	BOS retransmit does not resend the correct number of bytes	1.04
1177	Allow ROIs for Unity/500 systems	1.04
1176	Privacy Mask clear setting not saved when ROI is read less then 0.5 sec afterwards	1.04
1174	IP WebServer: Language Table upgrade is not automatically selected	1.04
1173	Upload of SC Main app 1.08.00.01+ fails	1.04
1172	IP WebServer: Recording page display problems with smaller resolution displays	1.04
1171	IP WebServer: IVA metadata checkbox missing	1.04
1170	Preset 94 not implemented in Gen4	1.04
1168	Dome going in circles	1.04
1167	IP WebServer: AT Sensitivity setting is not saved offline	1.04
1166	IP WebServer: browser lockup after failed configuration upload	1.04
1165	IP WebServer : Incorrect calculation of pan & tilt time on	1.04
1164	IP WebServer: camera setting UI issues	1.04
1162	IP WebServer: loses streaming video after firmware or config upload	1.04
1161	Unable to use the "Fast Address" features of a Gen4 IP dome with a 5136 Keyboard	1.04
1148	The English string should be shown when the translation for a custom language is not available	1.04
1135	Recording playback not halted when interrupted by alarm rule.	1.04
1119	Provide a timeout feature when AutoTracker is stuck in a position	1.04
1116	Problem in some Server member functions	1.04
1076	VCA Boot Firmware Upload Failure not reported	1.04
1058	Add requirement for all recordable (logged) SC and VCA events	1.04
889	Display "Time Since Life" in diag menu and provide access to version via On-46	1.04
505	IP Webserver doesn't recollect the configuration settings (Privacy masks, Standard Tour, Recordings	1.04
324	Alarm input & output shots information	1.04
1147	Add Custom Language support for Gen4 AutoDome	1.03
1128	Enable Russian language in IP Web Server UI	1.03
1113	Add VCA version information to downloaded event log	1.03
1100	SRS update to include Language Loader requirements	1.03
1096	Enable iVMD for Series 100 Cameras	1.03
1093	Add support for Gen4 custom language	1.03
1039	Add on/off flag to AutoTrack alarm output in rule setup	1.03
1033	Add Autotracker Sensitivity setting to the Advanced Settings	1.03
679	Web server virtual joystick makes it difficult to control the pan/tilt	1.03
1088	Provide a timeout feature when Auto Tracker II is stuck in a position.	1.02
1077	Add CLI Commands for getting Subcomponent Versions.	1.02
1032	Add SC and VCA revisions as an event on start up.	1.02
1029	Remove time limit between EraseAll and actual code.	1.02
923	Add VCA DSP BIST Results to Host BIST Display & CT Log.	1.02

857	Commanded BIST retains and displays last known pass/fail status.	1.02
334	Add osd text when Auto Bauding.	1.02
204	Add Bilinx log on status to OSD.	1.02
1082	Add 2 second delay when moving joystick with AT = ON.	1.01
1048	Add Wide Dynamic Range On/Off to Web Server	1.01
1046	Add total amount of pan/tilt motor movement to diagnostics	1.01
1012	Remove Stabilization Cropping setting	1.01
1002	Add items to Diag Logs	1.01
958	Integrate Sony 36x camera module	1.01
936	Add Highest and Lowest Temps to Diagnostics Log	1.01
1071	Update VCA boot version number	1.00
1070	Reinstate Aux code 24	1.00
1069	Temporarily disable stabilization when entering PM setup instead of providing warning'	1.00
1057	Change default values for sharpness, night mode threshold, max gain	1.00
1035	Remove AutoTrack Aux commands as possible alarm outputs (documentation)	1.00
957	Integrate Sony 36x camera module	1.00
918	Add calibration step to improve PM accuracy	1.00

The following **DEFECTS** have been resolved in past Service Pack releases.

Change Request	Description	Service Pack
1146	Zoom position data is getting corrupted in series 500.	1.02
1144	Masking and diagnostic help text is broken up on OSD.	1.02
1143	Advanced Feature menu under Factory Settings	1.02
1139	Typo in BLC PAL warning message	1.02
1134	Alarm output valid data only increments regardless of joystick movement	1.02
1132	Zoomed privacy and virtual masks cause system to lose positional references	1.02
1129	Dome will stop when requesting position via opcode 0x14	1.02
1121	CLI command "clearsettings" is not clearing all settings.	1.02
1120	Audio setting lost after dome looses power	1.02
1118	Camera height display is only in feet	1.02
1117	FUT tilt test fails when system controller contains different housing tilt limits	1.02
1111	Fix the PTZ Server.Position.ZoomFocalLength setvalue	1.02
1109	Fast Address menu crashes when setting 4 digit address	1.02
1103	PTZ override flag stays set after SET-110	1.02
1102	I2C 1401 & 1407 errors	1.02
1101	AutoTrack failed to reactivate after recordings (ON-100)	1.02
1062	Warning message shows wrong shutter speed for PAL cameras	1.02
1061	Resetting pan tilt settings to default prior to the power up homing may cause homing to fail	1.02
996	AT ON/OFF does not toggle with a left joystick movement	1.02
739	When you change AF from manual to spot, it becomes constant	1.02
254	Inactivity not working after alarm with preposition tour.	1.02
1099	Try again if timeout while going to a preposition	1.01
1091	Dome will Track without flashing tracker icon	1.01
1080	FRS stabilization requirement is wrong.	1.01
1078	Incorrect values and equality test in Stabilization software	1.01
1074	Incorrect Matrix used in Region of Interest Computations	1.01
1073	Incorrect Image Passed to Edge Detection Software	1.01
1061	Resetting PanTilt settings to default prior to the power up homing may cause homing to fail.	1.01
1053	Tracker icon remains blinking after auto pivot	1.01
1043	Baud rate changed to 2400 and remains at that rate.	1.01
1038	Disable iVMD for Gen4	1.01
976	Cannot upload VCA app after it becomes corrupted	1.01
969	Add loss of home detection to the diagnostics	1.01
947	app0 page doesn't automatically appear after failed IP firmware upgrade/downgrade	1.01
944	Web Server virtual joystick controls with Unity camera	1.01
935	IP Web Server and Series 100: Restore defaults disables camera buttons	1.01
1065	36x Night Mode performance	1.00
1064	Virtual mask EXIT option does not work	1.00
1063	Splash screen differences for 36x camera ID	1.00
1061	Resetting PanTilt settings to default prior to the power up homing may cause homing to fail	1.00
1060	AutoPivot Flag clears before AutoPivot Completes	1.00

1056	Create a separate path for displaying QCIF window for factory test	1.00
1054	Virtual masks tilt position shifted	1.00
1050	Dome will sometimes reset if a scene is recalled while actively tracking	1.00
1004	Alarm rule output conflicts between IS and MD	1.00
940	Disable AT when changing Focal Length.	1.00